

Private Lab Interfaces

Step-by-Step and Lessons Learned

Presenters

Jeff Couch

Integration Engineer

Janet Firestone

Integration Program Manager



Introduction

Jeff Couch – Integration Engineer

- Florida DOH & Partners 6 years
- Enterprise Solutions – Enterprise Integration Broker evaluation, procurement and implementation
- Analysis, Development and Project Management
- Projects: ELR, LIMS integration interfaces, HIPAA, CDC Smallpox Vaccination Interface, Statewide Secure File Transport.

Introduction

Janet Firestone – Data Administrator

- Florida DOH – 6+ years
- Enterprise Solutions – Creation of the FOH Integration
- Competency Center, Meta-Data repository, and Data Administration
- Projects - System design for Merlin, ADAP, Sexual Violence Registry, ELR, HIPAA, Integrated Health Information Systems (IHIS)

Presentation

The purpose of this presentation:

1. Provide a high-level **overview** of a Private Laboratory Interface Project
2. Step-by-step **Roadmap**
3. Describe the **Problems** and **Risks** involved with External Lab Interfaces
4. **Lessons Learned**: Solutions and Risk Mitigation Strategies
5. Room For Improvement
6. Discussion / Collaboration / Q & A

Our Environment

Enterprise Integration Broker

Quovadx Platform V Integrator

- ◆ Version 5.3

Development Environment

- ◆ Sun V880 Dual processors & 4GB memory

Production Environment

High Availability Sun Cluster

- ◆ Two-Node Sun 6800 Quad processors & 8GB Memory

Version Control and Release Management

- ◆ SVN (predecessor to CVS)

The Project

Reportable Disease Surveillance Reporting

Integrated Regional Laboratories

- ♦ 67 Reportable Disease
- ♦ HL7 2.3.1

Department of Health Surveillance Programs

Bureau of Epidemiology

- ♦ SQL Server Reportable Results Structure

Bureau of STD

- ♦ SQL Server Reportable Results Structure

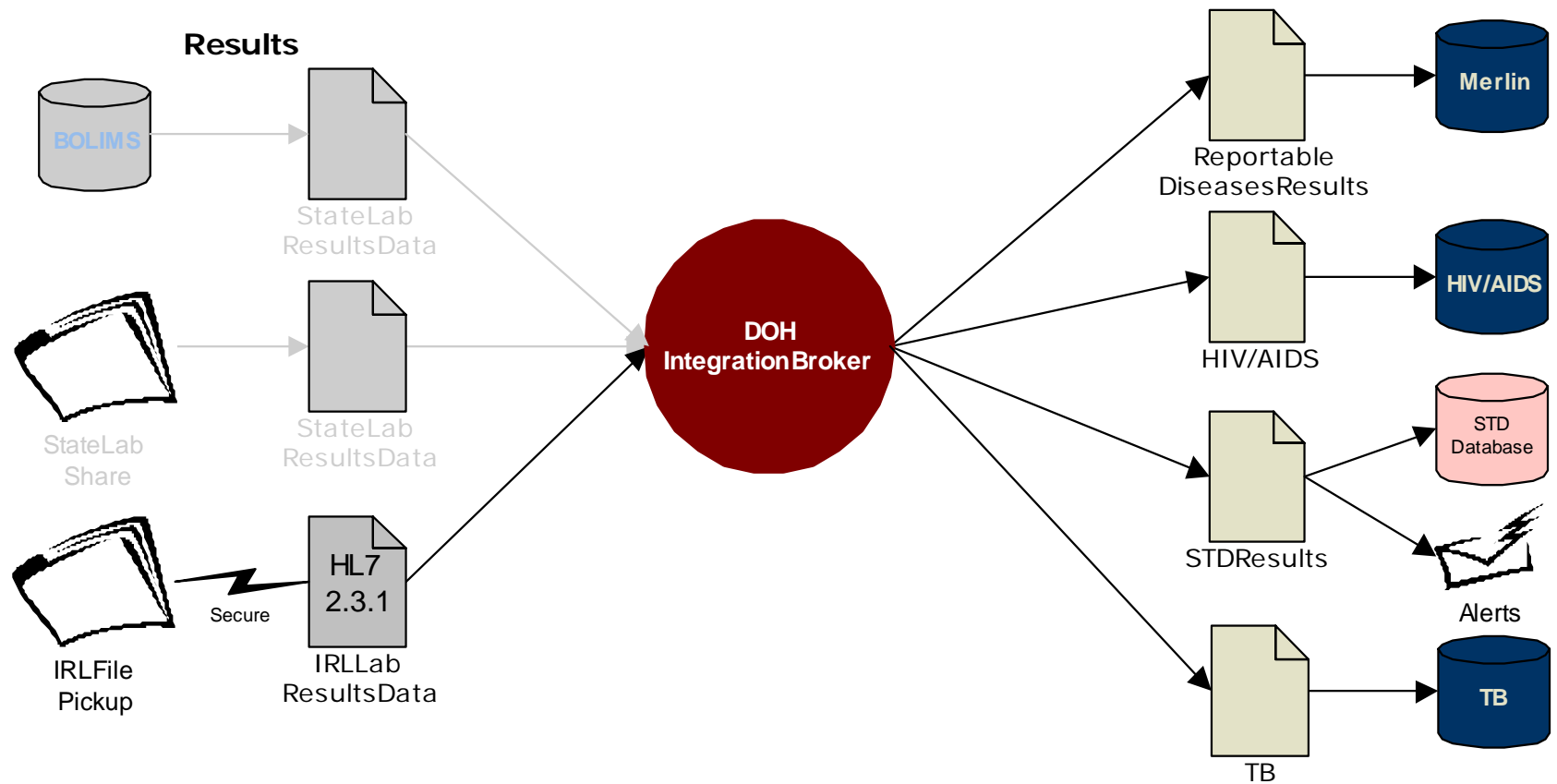
Bureau of HIV/AIDS

- ♦ SQL Server Reportable Results Structure

Bureau of TB

- ♦ TBD

The Interface



Roadmap

Project Initiation

Connectivity & Messaging

Analysis

- Coding and Vocabulary

- Result Structure Definition

- Result Routing

Development

Testing

Problems and Risks

1. Funding and Resource Issues
2. Managing Users Expectations
3. Coding Systems and Vocabulary
4. Matching Reportable Requirements
5. Result Routing by Stakeholder
6. Differences in Result Structures
7. Paper Cut-Off Decision

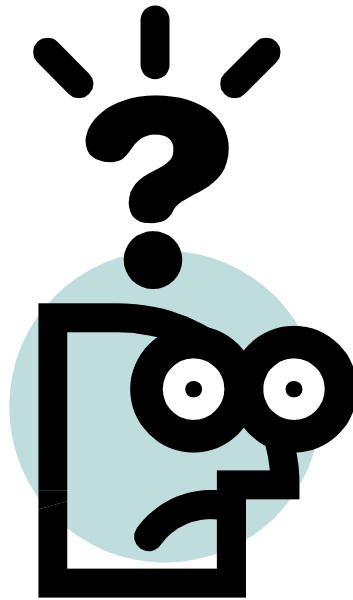
Lessons Learned

1. Resource Coordination and Timing
2. Get Hard Copy Results Up Front
3. ELR Should be Win-Win
4. Data Quality Review and Management
5. Early Stakeholder Commitment
6. Identify Result Data Structures
7. Coordinated Program Sign-off

Room for Improvement

1. Standard Codeset and Vocabulary
2. Utilize Vocabulary/Codeset Tool
3. Coordinated and Scripted Testing
4. Automated Regression Testing
5. Complete Expected Results and Codeset Documentation

Discussion / Q & A



Need More Info ?



♦ Call us

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